

ASTD/TDI Project Static Report

Oversize TRU Waste Laser Cutting and Electrolytic Decontamination

Focus Area:	Decontamination and Decommissioning Focus Area	Focus Area Manager: John Duda, (304) 285-4217
TTP No.:	NV09DD61	Principal Investigator: Ed Hohman, (702) 295-3790
Lead Site:	Nevada	
Project No.:	99-ASTD-33	Technology Vendor(s)/Commercial Partner(s):
Tech ID/TMS No.:		None identified at this time
Related Publication(s):	None	

Web Page(s):

Description: A laser cutting system that will size reduce oversized TRU contaminated articles in preparation for disposal as low-level radioactive waste (LLRW) or shipment to WIPP as TRU. A cost/benefit analysis of the specific waste treatment project eliminated the originally proposed decontamination system.

-The Hanford-supplied industrial laser will be mounted on a commercial robot arm, modified to accommodate decontamination of radioactivity resulting from use in contaminated zones. B&W Hanford providing robotic control requirements.

-LANL will define adaptation of the robot for remote use including the remote control requirements.

Application: Sites with relatively small quantities of oversized TRU waste requiring decontamination, packaging, and disposal.

Location(s): NTS

Technology(ies):

Laser Cutting System that will Size Reduce Oversized TRU Contaminated Articles

	Funding (\$K):	<u>FY-98</u>	<u>FY-99</u>	<u>FY-00</u>	<u>FY-01</u>	<u>Total</u>
TTP No.:	NV09DD61	\$0	\$850	\$710	\$150	\$1,710
Leverage Source:	EM-40					\$9,000
					Funding Total (\$K):	\$10,710

Cost Savings (\$M):	<u>Proposal</u>	<u>Deployment Plan/TTP</u>	<u>Current Focus Area Projection</u>
	\$6,400	Pending	\$7,450